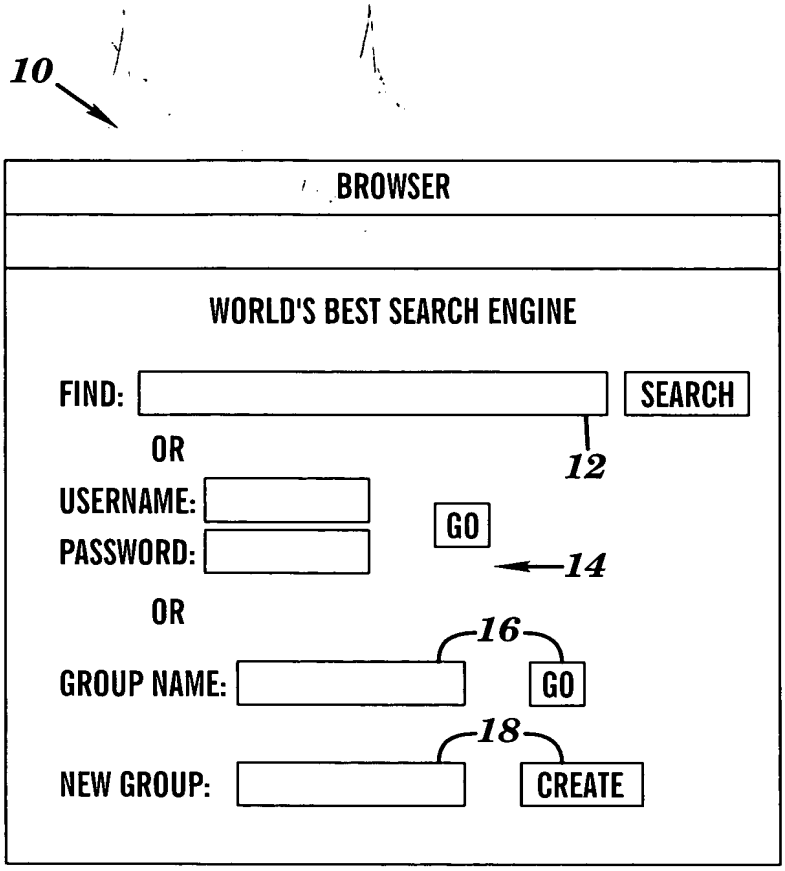
10
BROWSER
WORLD'S BEST SEARCH ENGINE
FIND:
SEARCH
12
OR
USERNAME:
PASSWORD:
GO
14
OR
16
GROUP NAME:
GO
18
NEW GROUP:
CREATE

FIG. 1

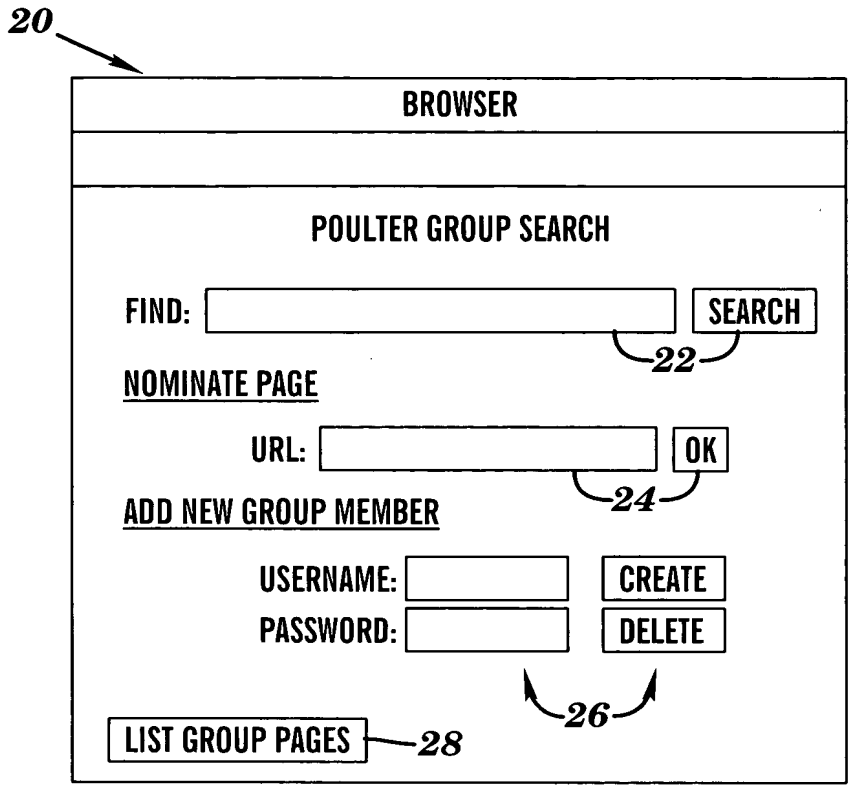
20
BROWSER
POULTER GROUP SEARCH
FIND:
SEARCH
22
NOMINATE PAGE
URL:
OK
24
ADD NEW GROUP MEMBER
USERNAME:
CREATE
PASSWORD:
DELETE
26
LIST GROUP PAGES
28

FIG. 2

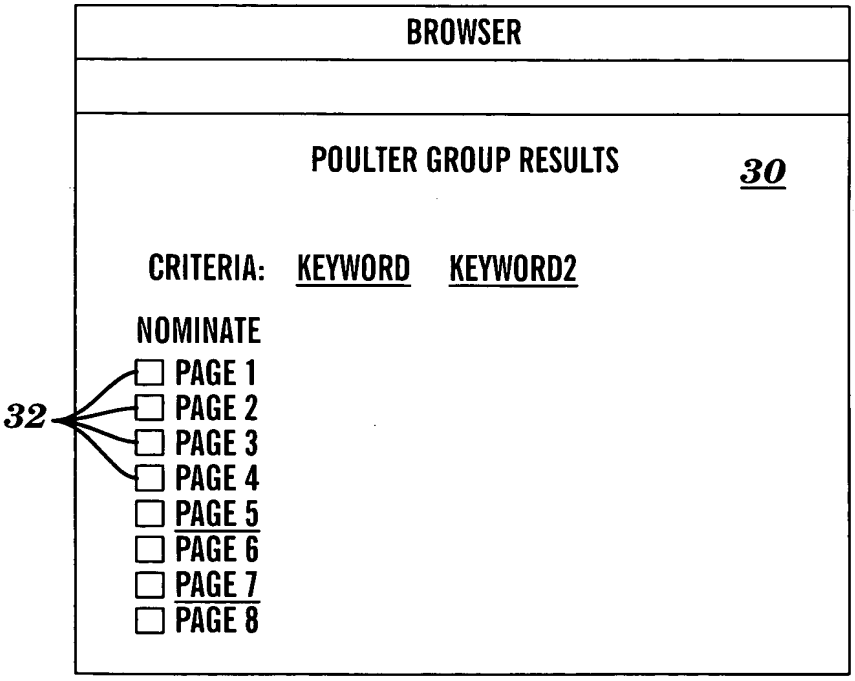
BROWSER
POULTER GROUP RESULTS
30
CRITERIA: KEYWORD KEYWORD2
NOMINATE
32
PAGE 1
PAGE 2
PAGE 3
PAGE 4
PAGE 5
PAGE 6
PAGE 7
PAGE 8

FIG. 3

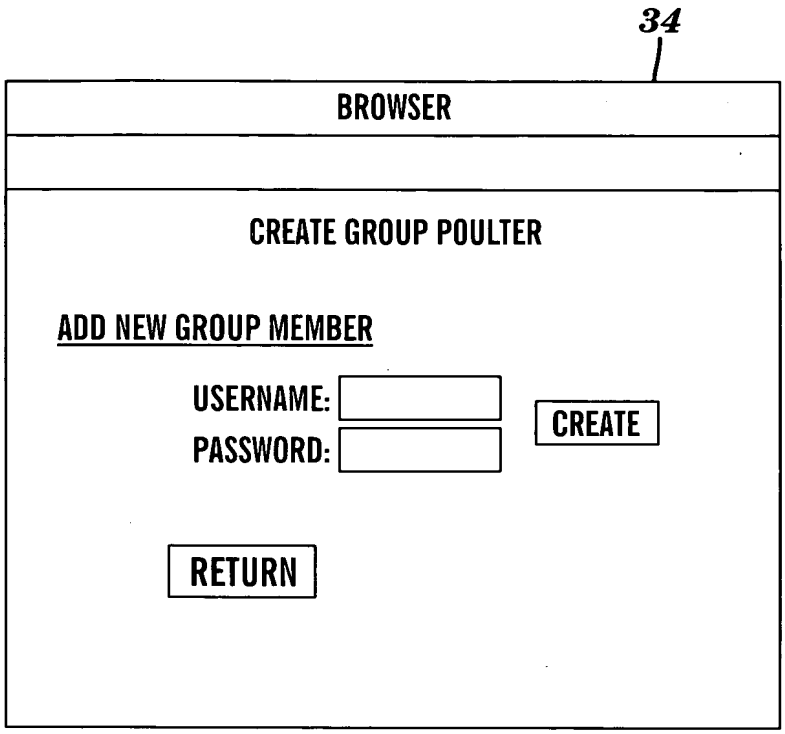
34
BROWSER
CREATE GROUP POULTER
ADD NEW GROUP MEMBER
USERNAME:
PASSWORD:
CREATE
RETURN

FIG. 4

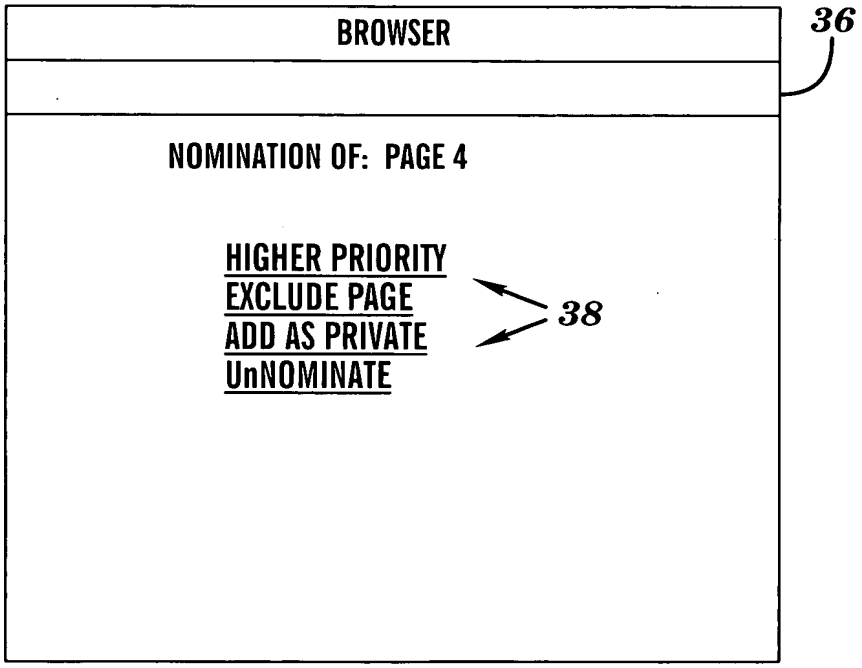
36
BROWSER
NOMINATION OF: PAGE 4
HIGHER PRIORITY
EXCLUDE PAGE
ADD AS PRIVATE
UnNOMINATE
38

FIG. 6

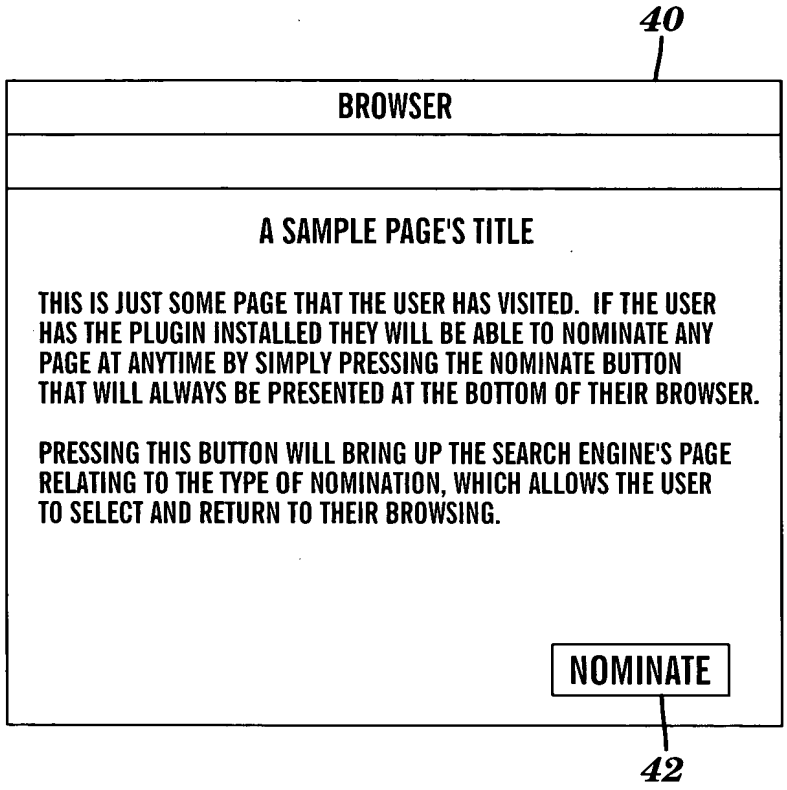

FIG. 5

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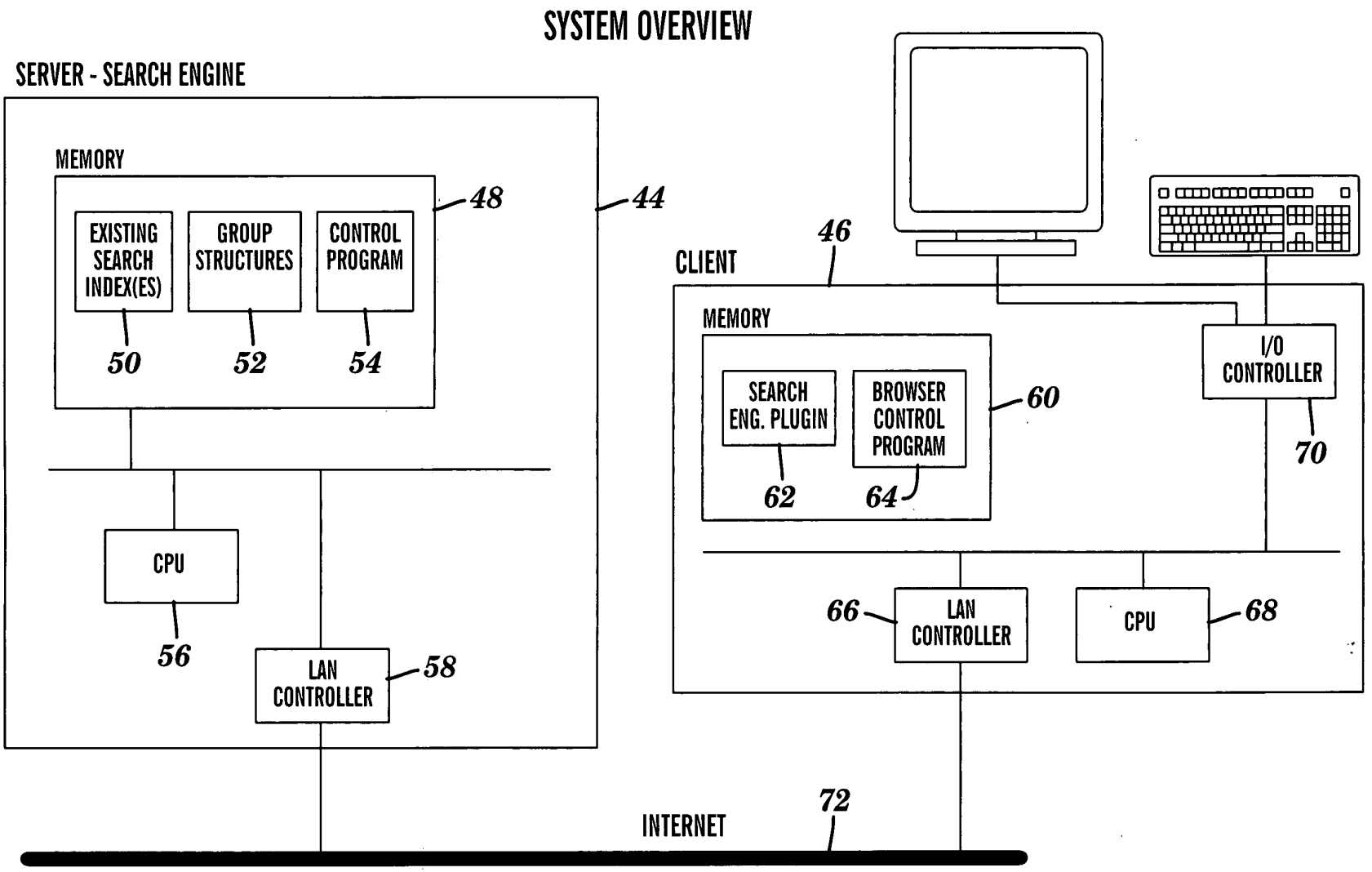

FIG. 7

20020710 EGTHOT

EXISTING SEARCH INDEX

NORMAL INDEX INFO
NORMAL INDEX INFO
• • •

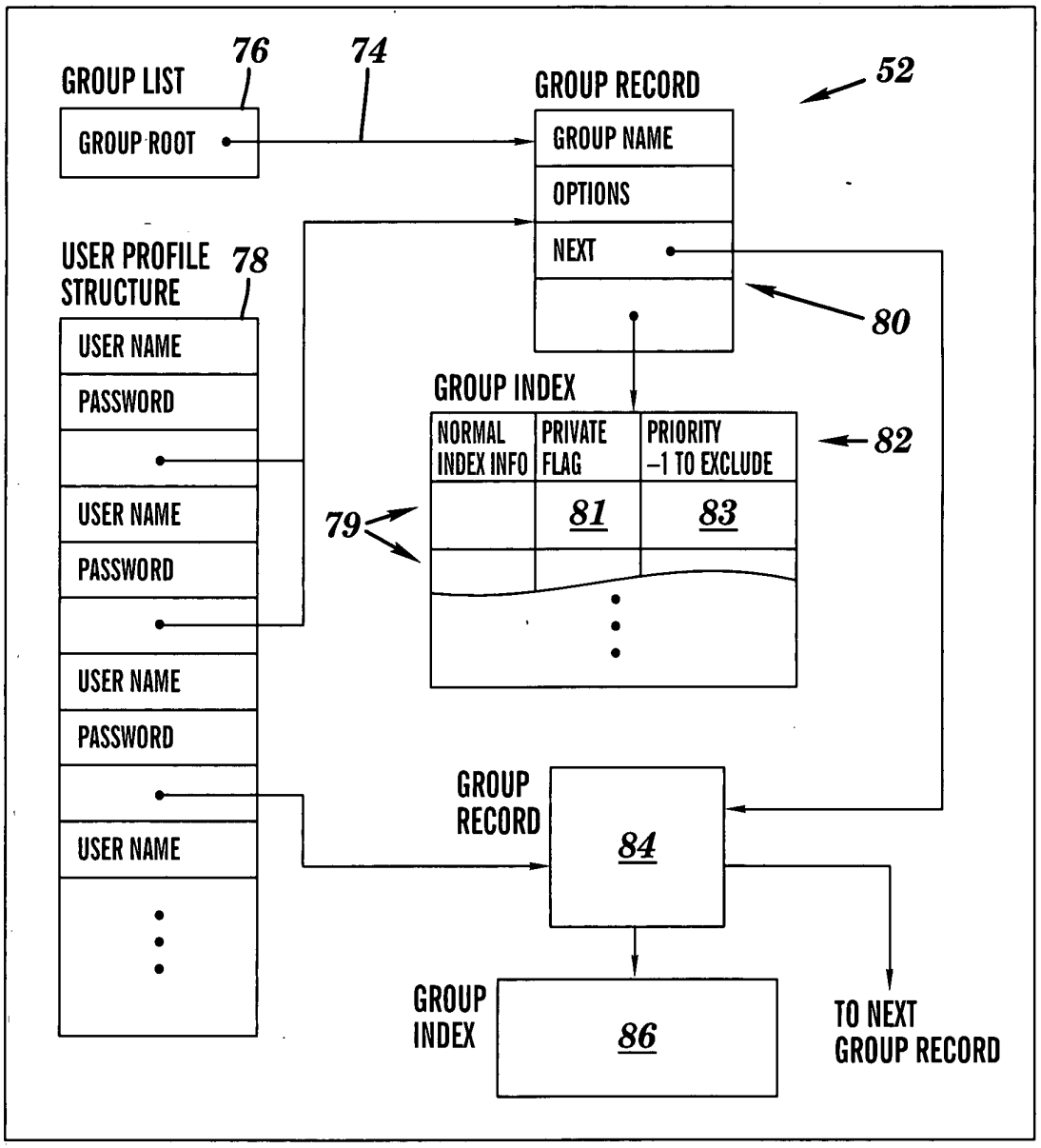

FIG. 8

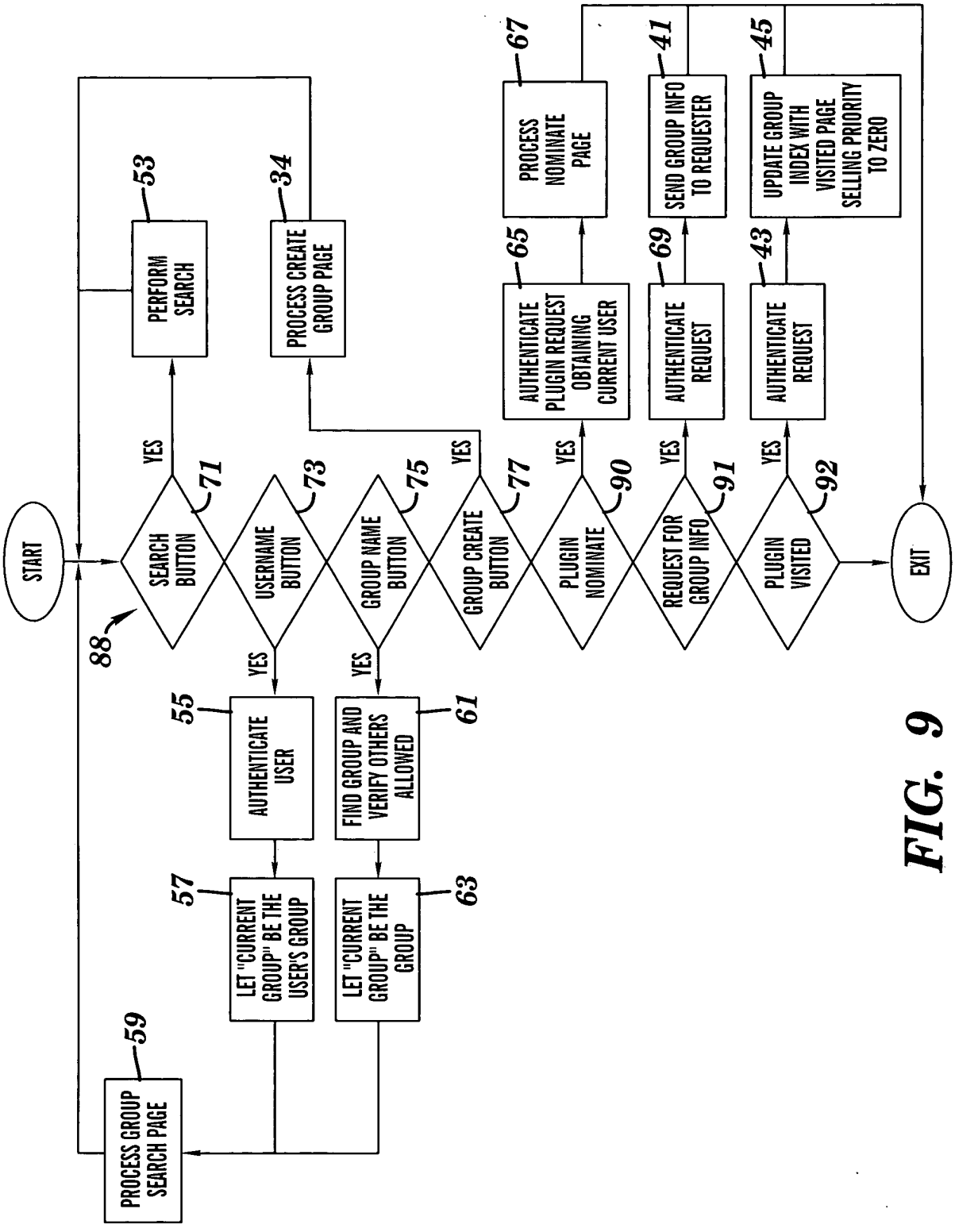
SEARCH ENGINE CONTROL PROGRAM
START
SEARCH BUTTON
71
YES
PERFORM SEARCH
53
USERNAME BUTTON
73
YES
AUTHENTICATE USER
55
LET "CURRENT GROUP" BE THE USER'S GROUP
57
GROUP NAME BUTTON
75
YES
FIND GROUP AND VERIFY OTHERS ALLOWED
61
LET "CURRENT GROUP" BE THE GROUP
63
GROUP CREATE BUTTON
77
YES
PROCESS CREATE GROUP PAGE
34
PLUGIN NOMINATE
90
YES
AUTHENTICATE PLUGIN REQUEST OBTAINING CURRENT USER
65
PROCESS NOMINATE PAGE
67
REQUEST FOR GROUP INFO
91
YES
AUTHENTICATE REQUEST
69
SEND GROUP INFO TO REQUESTER
41
PLUGIN VISITED
92
YES
AUTHENTICATE REQUEST
43
UPDATE GROUP INDEX WITH VISITED PAGE SELLING PRIORITY TO ZERO
45
EXIT
PROCESS GROUP SEARCH PAGE
59
88

FIG. 9

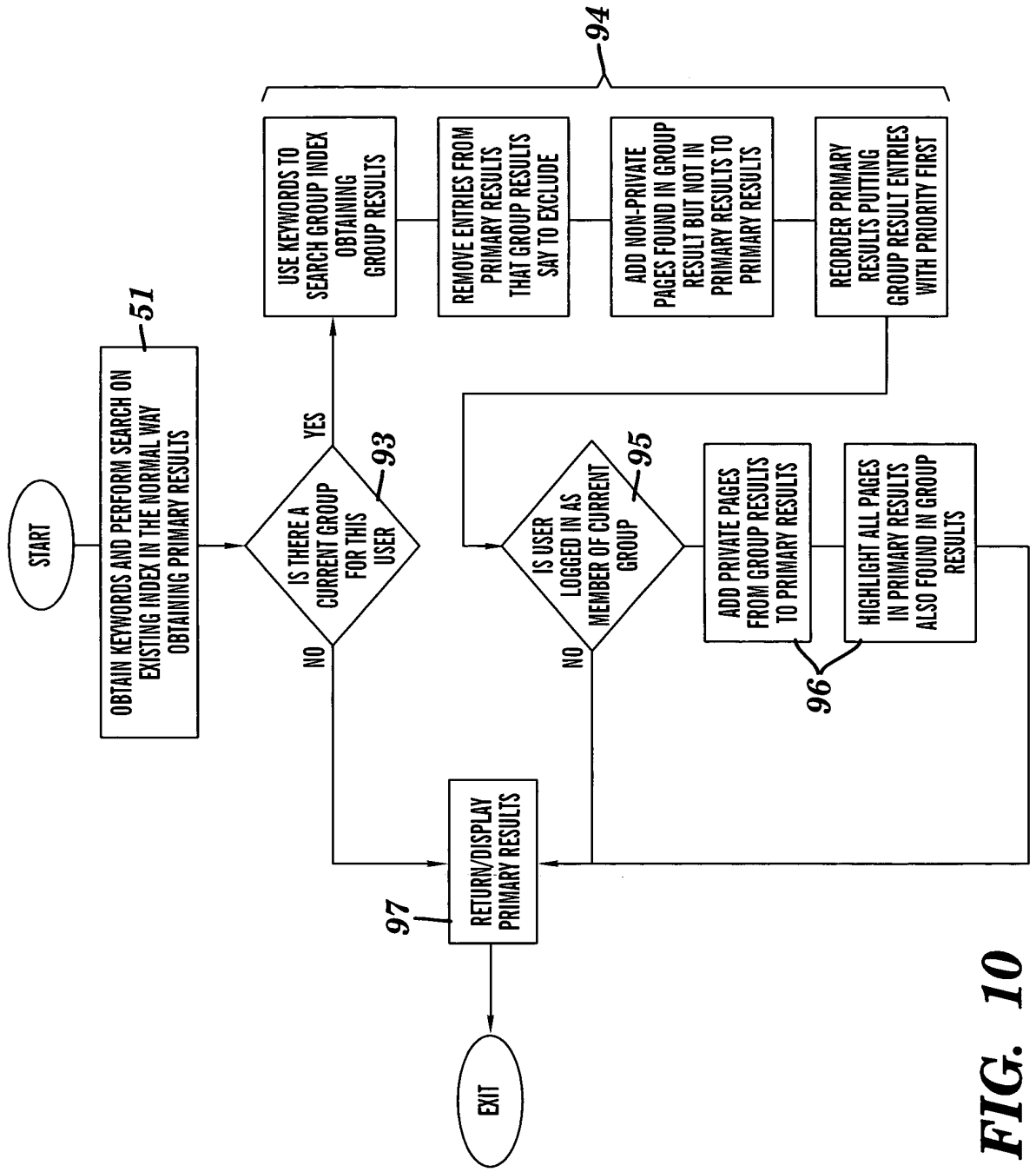
PERFORM SEARCH
START
OBTAIN KEYWORDS AND PERFORM SEARCH ON EXISTING INDEX IN THE NORMAL WAY OBTAINING PRIMARY RESULTS
51
IS THERE A CURRENT GROUP FOR THIS USER
93
YES
NO
USE KEYWORDS TO SEARCH GROUP INDEX OBTAINING GROUP RESULTS
REMOVE ENTRIES FROM PRIMARY RESULTS THAT GROUP RESULTS SAY TO EXCLUDE
ADD NON-PRIVATE PAGES FOUND IN GROUP RESULT BUT NOT IN PRIMARY RESULTS TO PRIMARY RESULTS
REORDER PRIMARY RESULTS PUTTING GROUP RESULT ENTRIES WITH PRIORITY FIRST
94
IS USER LOGGED IN AS MEMBER OF CURRENT GROUP
95
NO
ADD PRIVATE PAGES FROM GROUP RESULTS TO PRIMARY RESULTS
HIGHLIGHT ALL PAGES IN PRIMARY RESULTS ALSO FOUND IN GROUP RESULTS
96
RETURN/DISPLAY PRIMARY RESULTS
97
EXIT

FIG. 10

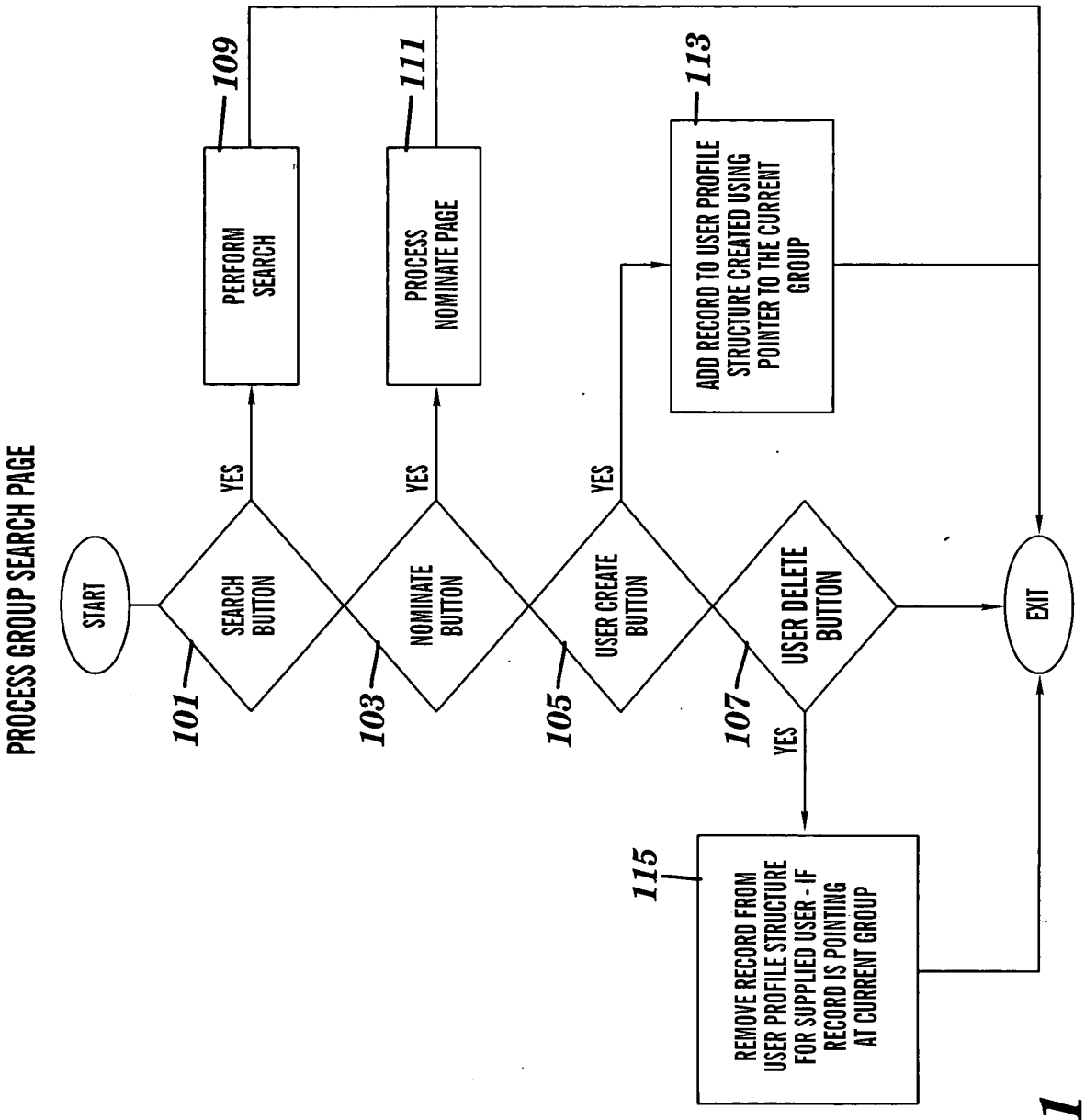
PROCESS GROUP SEARCH PAGE
START
SEARCH BUTTON
NOMINATE BUTTON
USER CREATE BUTTON
USER DELETE BUTTON
EXIT
YES
YES
YES
YES
PERFORM SEARCH
PROCESS NOMINATE PAGE
ADD RECORD TO USER PROFILE STRUCTURE CREATED USING POINTER TO THE CURRENT GROUP
REMOVE RECORD FROM USER PROFILE STRUCTURE FOR SUPPLIED USER - IF RECORD IS POINTING AT CURRENT GROUP
101
103
105
107
109
111
113
115

FIG. 11

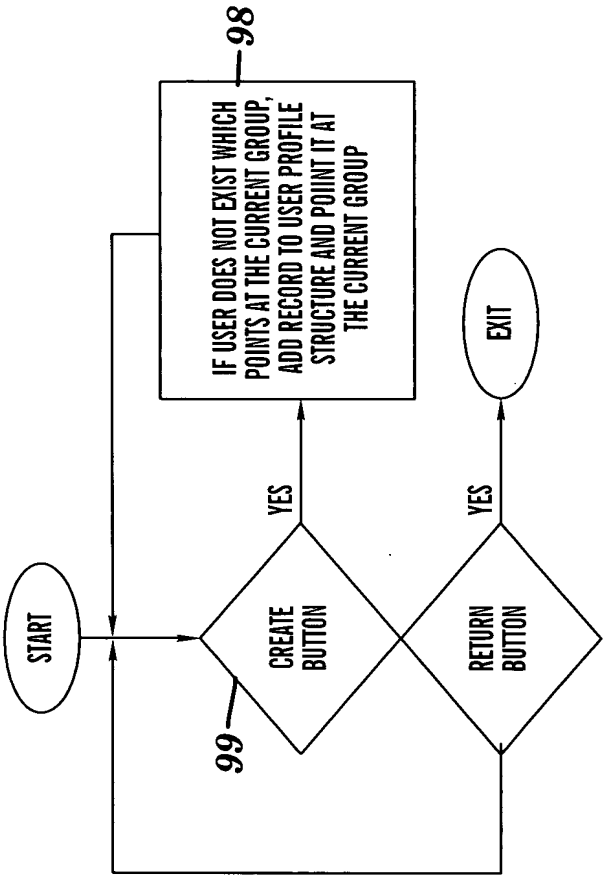
PROCESS CREATE GROUP PAGE
START
CREATE BUTTON
99
YES
IF USER DOES NOT EXIST WHICH POINTS AT THE CURRENT GROUP, ADD RECORD TO USER PROFILE STRUCTURE AND POIINT IT AT THE CURRENT GROUP
98
RETURN BUTTON
YES
EXIT

FIG. 12

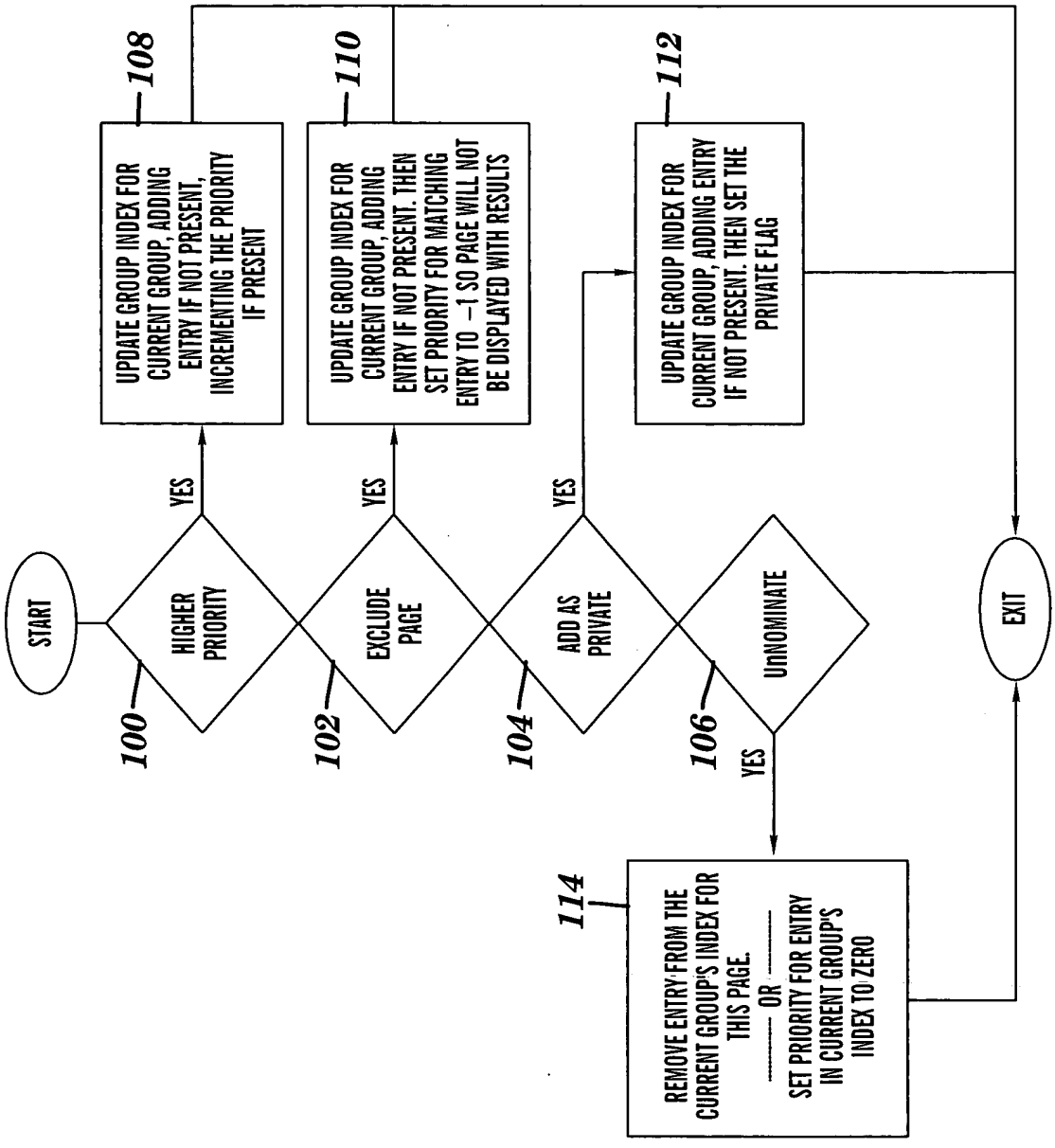
PROCESS NOMINATE PAGE
START
HIGHER PRIORITY
100
YES
UPDATE GROUP INDEX FOR CURRENT GROUP, ADDING ENTRY IF NOT PRESENT, INCREMENTING THE PRIORITY IF PRESENT
108
EXCLUDE PAGE
102
YES
UPDATE GROUP INDEX FOR CURRENT GROUP, ADDING ENTRY IF NOT PRESENT. THEN SET PRIORITY FOR MATCHING ENTRY TO −1 SO PAGE WILL NOT BE DISPLAYED WITH RESULTS
110
ADD AS PRIVATE
104
YES
UPDATE GROUP INDEX FOR CURRENT GROUP, ADDING ENTRY IF NOT PRESENT. THEN SET THE PRIVATE FLAG
112
UnNOMINATE
106
YES
REMOVE ENTRY FROM THE CURRENT GROUP'S INDEX FOR THIS PAGE.
— OR —
SET PRIORITY FOR ENTRY IN CURRENT GROUP'S INDEX TO ZERO
114
EXIT

FIG. 13

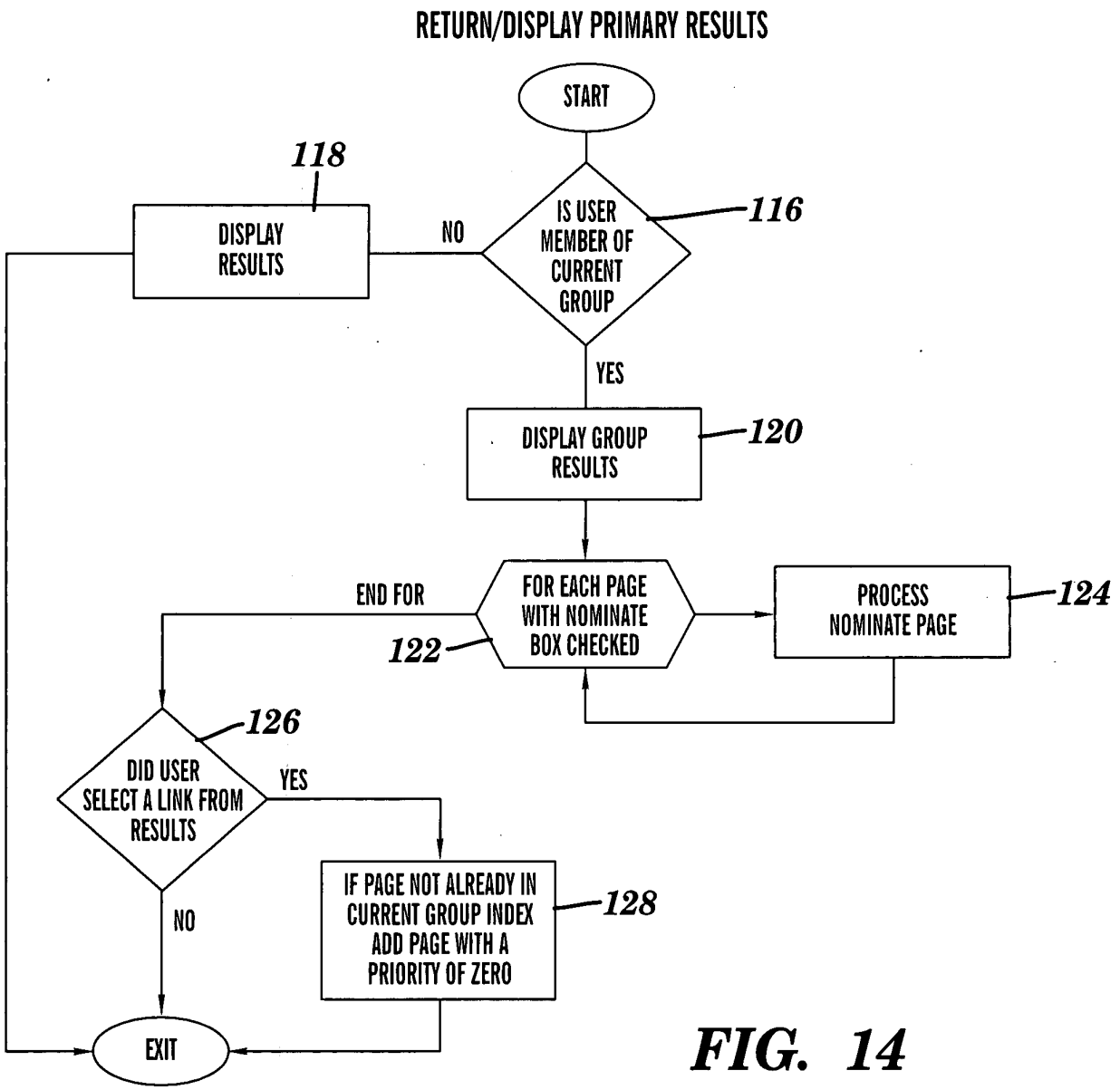
RETURN/DISPLAY PRIMARY RESULTS
START
IS USER MEMBER OF CURRENT GROUP
116
NO
118
DISPLAY RESULTS
YES
DISPLAY GROUP RESULTS
120
FOR EACH PAGE WITH NOMINATE BOX CHECKED
122
END FOR
PROCESS NOMINATE PAGE
124
DID USER SELECT A LINK FROM RESULTS
126
YES
NO
IF PAGE NOT ALREADY IN CURRENT GROUP INDEX ADD PAGE WITH A PRIORITY OF ZERO
128
EXIT

FIG. 14